C3, 158 : ITA 491 (80)-10

CURRENT INDUSTRIAL REPORTS



Titanium Ingot, Mill Products, and Castings

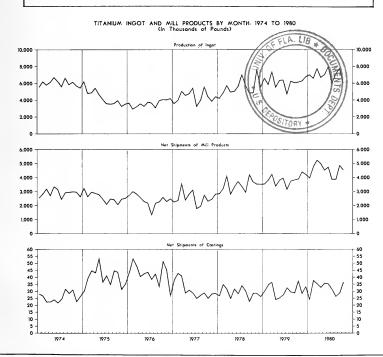
U.S. Department of Commerce BUREAU OF THE CENSUS BUREAU OF INDUSTRIAL ECONOMICS OCTOBER 1980

ITA-991(80)-10 Issued December 1980

The total production of titanium ingot for October was 6.0 million pounds. This represented a 23-percent decrease in production from 7.8 million pounds produced in September. Consumption of titanium ingot decreased 2 percent from 8.3 million pounds in September to 8.1 million pounds in October.

Net shipments of mill products decreased 7 percent from 4.9 million pounds in September to 4.5 million pounds in October. Castings shipments increased 27 percent from 28.9 thousand pounds in September to 36.6 thousand pounds in October.

THIS REPORT INCLUDES DATA COMPARING DOMESTIC OUTPUT, EXPORTS, AND IMPORTS



Address inquiries concerning these figures to the U.S. Department of Commerce, Bureau of Industrial Economics, Materials Division, Washington, D.C. 20230, or to the Bureau of the Census, Industry Division, Weshington, D.C. 20233, or call Stephen M. Pope, (301) 763-5434.

For sale by Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank, Price, 25 cents per copy, \$3.25 per year.

Table 1. TITANIUM INGOT, MILL PRODUCTS, AND CASTINGS: 1978 TO 1980

(Thousands of pounds)

(Thousands of pounds)					
		Ingot			Castings
Month and year	Production	Consumption	Ending stocks	products net shipments ¹	shipments
1980					
October September August July	5,992 7,806 7,132 6,103	8,150 8,341 5,832 6,368	3,116 4,945 5,850 4,942	4,538 4,889 3,895 3,881	36.6 28.9 26.5 31.5
June May April March February January	8.029 7.057 6.727 7.794 6.621 7.029	7,835 6,573 6,891 7,950 6,790 7,276	4.705 4.706 4.038 4.144 4.356 4.356	4.760 4.544 5.006 5.256 4.777 3.987	35.5 35.9 33.0 35.6 38.1 24.7
1979					
Total	74,828 6,799 6,308 6,168 6,094 6,279 4,804	75,735 6,184 6,722 6,688 6,880 6,052 74,959	r4,731 r3,789 r4,203 r5,010 r5,469 r5,013	46,226 r4,242 r4,419 r3,899 r3,842 3,759 3,195	371.7 28.9 37.9 29.1 29.8 32.8
June May April March Gebruary January	6,416 6,366 5,595 7,441 5,912 6,646	r6,213 r6,126 r5,826 r7,073 r5,991 7,021	r4,808 r4.763 r4.421 r4.615 r4.395 4,634	3,979 3,828 3,414 4,271 73,821 3,557	27.7 25.5 24.4 36.8 34.9 30.3
1978 Total:77. December:a. November: Settimer:	66,655 5,591 7,760 4,883 74,890	r _{67.991} r _{6,329} 5.865 7.045 r _{6,067}	r5.138 r6.180 r4.301 r6.388	r41,619 r3,541 r3,547 r3,708 r4,251	7352.2 726.5 28.7 728.8 723.2

Revised by 5 percent or more from previously published figures. (X) Not applicable.

dren

Table 2. NET SHIPMENTS OF TITANIUM MILL PRODUCTS

(Thousands of pounds)

Product	October	September	October
	1980	1980	1979
Total Sheet and strip Plate, Forging and extrusion billet, Rod and bar, Fastener stock and wire. Extrusion (other than tubing) Dipe and tubing	4,538 1,103 2,169 639 233 394	4,889 1,211 1,895 853 199 731	389.9 880 1.676 634 181

See table 2 for more detmiled data,

Table 3. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF TITANUIM MILL PRODUCTS: 1978 TO 1980

(Quantity in thousands of pounds: value in thousands of dollars)

	Manufac-		orts of don		Percent exports to			Imports for consumption 1 4		Calculated Apparent consump-duty tion ⁵ (quantity)		Percent imports to apparent consumption (quantity)
Month and year	turers' net shipments ¹ (quantity)	Quantity	Value at port	Estimated producers' value3	turers' net shipments (quantity)	Quantity	Value ⁵	tion ⁶				
1980												
October	4,538 4,889 3,895 3,881	(NA) 441 243 429	(NA) 4,538 4,422 4,872	(NA) 4,325 4,214 4,643	(NA) 9 6 11	(NA) 154 292 119	(NA) 1,313 3,229 1,226	(NA) 231 583 208	(NA) 4,602 3,944 3,571	(NA) 3 7 3		
June	4,760 4,544 5,006 5,256 4,777 3,987	202 233 188 226 280 206	3,274 3,970 3,118 3,448 3,843 2,769	3,120 3,783 2,971 3,286 3,662 2,639	4 5 4 4 6 5	127 114 119 163 133 145	999 842 1,085 823 868 971	177 146 192 207 137 172	4,685 4,425 4,937 5,193 4,630 3,926	3 2 3 3 4		
1979												
December November October September August	4,242 r4,419 3,899 r3,842 3,759 3,195	416 414 518 135 165 145	3,773 3,308 4,201 1,598 1,829 2,092	3,596 3,153 4,004 1,523 1,743 1,994	10 9 13 4 4 5	149 255 147 111 153 80	861 1,538 754 687 701 799	154 258 133 114 104 127	3,975 4,260 3,528 3,818 3,747 3,130	4 6 4 3 4 3		
June	3,979 3,828 3,414 4,271 3,821 3,557	222 281 65 155 66 49	2,269 2,693 873 1,851 817 605	2,162 2,566 831 1,763 778 576	6 7 2 4 2 1	102 210 229 234 90 124	1,087 1,048 1,187 375 656	119 185 186 208 62 102	3,859 3,757 3,578 4,350 3,845 3,632	3 6 5 2 3		
1978												
December	3,541 3,547 3,708 4,251	94 109 62 82	817 1,089 586 799	778 1,038 558 761	2 1 1 2	125 83 237 161	526 351 804 658	94 62 137 117	3,572 3,521 3,883 4,330	4 2 6 4		

Revised by 5 percent or more from previously published figures. (NA) Not available.

The table 4 for comparison of standard industrial Classification (SEC) codes, export (Schedule B) codes, and import (TSUSA) codes, "Source: Bureau of the Census Report Fraid, U.S. Exports—Schedule B—Commodity by Country.

These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods of the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1976 which are published in Origin of Exports of Manufacturing Establishments, N76(AS)-8, appendix A. The adjustment factor for

Table 4, COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES, EXPORT (SCHEDULE B) CODES, AND IMPORT (TSUSA) CODES

1980 SIC product code	SIC code description	1980 export code (Schedule B)	Export code description	1980 import code (TSUSA)	Import code description
33562 74 35562 79	Forging and extrusion billet Other (sheet, plate, tubing, bar, etc.)	630.6570	Wrought titanium metal including alloys (excluding sponge, ingots, billets, blooms, sheet, bars, slabs, waste, and scrap)	620.2000	Wrought titanium metal, including alloys (excluding waste and scrap and unwrought metal)

¹ See table 4 for comparison of Standard Industrial Classification (SIC) codes, export (Schedule B) codes, and import (TSUSA) codes.

this report is .953. Source: Bureau of the Census Report IM 145-X, U.S. Imports for Consumption and General Imports.

Seginating with 1978, the dollar value represents the c.i.f., (cost, insurance, and freight) value at the first port of entry in the United States

plus U.S. import duties. Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

DESCRIPTION OF SURVEY

Scope of Survey—This survey covers firms engaged in manufacturing titanium ingot and mill products, including castings

Sampling Description—The statistics in this publication were collected on the Bureau of Industrial Economics Form ITA-991, Titanium Metal. The mailing panel for this survey includes all known titanium inqot, mill product, and castings producers.

Survey Error—Figures for the current month include estimates for respondents whose reports were not received in time for tabulation. Such missing figures are "imputed" from month-to-month movements shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Individual items with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements. The probable range of difference between the actual and imputed figures is unknown. The degree of uncertainty regarding the accuracy of the data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Revision to Previous Period Data—Statistics for previous months may be revised due to receipt of corrected data from respondents, including late reports for which imputations were previously made as described above, and other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Seasonal Adjustment—The data are not adjusted for seasonal variation or number of working days.

EXPLANATION OF TERMS

Net Shipments—Derived by subtracting the sum of producers' receipts of each mill shape from the industry's gross shipments of that shape.

Gross Shipments—Include the quantities of mill shapes consumed in rolling mills in the production of fabricated products such as forgings, etc. Also include the quantities of mill shapes shipped between producers.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently and are based on somewhat differing systems of classification. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is considerable difficulty in comparing the three types of data for many commodity areas.

fication is based on type of industry; whereas, the export and import classification system is more materials oriented. Aside from the differences in the basic commodity classifications, there are additional problems involving import data, since there are a substantial number of imported commodities which are not produced in the United States or which are produced only in very small quantities and which, therefore, have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to those mentioned above, there are also the following problems affecting the comparability of the three sets of data:

a. Valuation—There are different methods of valuation for the three types of data.

Domestic Output—Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.

Exports—Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance, and other charges to the export point.

Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

Imports—Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

- b. Duplication in Quantity and Value of Output—Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.
- c. Low-Valued Export and Import Transactions—Commodity information is not shown for individual imports valued under \$251. For exports, commodity information is not reported for shipments individually valued under \$501 effective March 1979 and for shipments valued under \$251 prior to March 1979. This is believed to have only negligible effect on the statistics for most commodities.
- d. Manufacturers' Shipments, Not Specified by Kind—The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.
- e. Time Lag Between Output and Exports—There will be a lag between the time a commodity is produced or shipped by

the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

- f. "Direct" vs "Total" Commodity Exports and Imports— Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.
- g. Used Commodities—With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.
- h. Geographic Area of Coverage—Import and export data reflect the movement of merchandise into and out of the U.S. customs territory (the 50 States, the District of Columbia, and Puerto Rico). They do not include movements between the United States and its possessions. Domestic output (shipments) data exclude Puerto Rico and other outlying areas.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report summarizes monthly figures and incorporates all known revisions in the series for both current and previous year, thus providing a single reference copy to replace the monthly publications. This annual summary provides additional information on the history of this survey.

The Bureau of the Census also publishes reports on related products as follows:

Series	Eromionaii	Title
Delles	Frequency	rine

Current Industrial Reports

Monthly	Manufacturers' Shipments, Inven- tories, and Orders
Monthly	Aluminum Ingot and Mill Products
Annually	Magnesium Mill Products
Annually	Steel Mill Products
Monthly	Iron and Steel Castings
Monthly	Nonferrous Castings
	Monthly Annually Annually Monthly

MOON	WOLLLIN	II OII and Steel Castings
M33E	Monthly	Nonferrous Castings
Foreign Trade	Reports	
FT-410	Monthly	U.S. Exports—Schedule E—Com- modity by Country
IM 145-X	Monthly	U.S. Imports for Consumption and General Imports

CONTACT FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report ITA-991	Stephen M. Pope	(301) 763-5434
Foreign Trade publications	Juanita Noone	(301) 763-5140
Bureau of Industrial Economics	James Manion	(202) 566-2267
To order a Census Bureau publication	Customer Services (DUSD)	(301) 449-1600
To order Census Bureau microfiche	Maria Brown	(301) 763-5511

University of Florida, George A. Sma	Digitized by the Internet A in 2011 with funding fr athers Libraries with suppo	om	an Foundation

http://www.archive.org/details/currentindustr101980unit

Now Available

United

States

Centennial **Edition** of the **Statistical Abstract** of the

This landmark edition of the Statistical Abstract presents both current and historical data on the social, economic, and governmental characteristics of the United States and contains:

1,601 tables and 54 graphic charts based on data from almost 250 government and private agencies

a Guide to Sources listing over 1,000 statistical publications, by subject area, for further reference

a new section "Selected Current Topics" and 103 entirely new tables

measures of annual change an appendix on "Statistical Methodology and Reliability" providing users with information on how the data were collected and measures of their

a section on "Recent Trends" highlighting key

a subject index spanning 45 pages

a special essay entitled "100 Editions of the Statistical Abstract" which sketches the evolution of the Abstract as the National Data Book

validitv

1,057 pages \$12 (cloth)

\$9 (paper)

FORM	Please send me: Mail To: Superintendent of Documents, U.S. Gove. Copies of the Statistical Abstract of the	rnment Printing Office, Washington, D.C. 2040;
RDER FO	United States, 1979 -	rges \$Fill in the boxes below
ö	money order, or charge to my Deposit Account No. master charge Month/Ye.	
	Order No.	For Office Use Only. Ouantity Charge
TYPE	Name—First, Last	Enclosed To be mailed
AT OR	Company name or additional address line	Subscriptions Postage Foreign handling
E PRINT	City State ZIP Co	MMOB OPNR
PLEASE	(or Country)	UPNS Discount Retund

U.S. Department of Commerce BUREAU OF THE CENSUS Washington, D.C. 20233

Official Business Penalty for Private Use, \$300 UNIVERSITY OF FLORIDA 3 1262 08589 2338

POSTAGE & FEES PAID CENSUS PERMIT No. G-58

